**Table 1. 1998 Summary Statistics**

Item	Value	U.S. Rank	Item	Value	U.S. Rank
NERC Region(s)			MAIN/MAPP		
Net Exporter or Importer			Importer		
Primary Generating Fuel			Coal		
Population (as of 7/98)	5,222,124	18	Capability (MW)	11,863	24
Average Electricity Price (cents/kWh) ^a	5.44	12	Generation (MWh)	52,529,065	22
Industrial	3.86	13	Average Age of Plants (years)		
Commercial	5.87	12	Coal-fired	28	
Residential	7.17	19	Petroleum-fired	25	
Industry			Gas-fired	14	
Capability (MW)	12,759	24	Nuclear	26	
Generation (MWh)	56,355,885	22	Hydroelectric	55	
Capability/person (KWe/person)	2.44	35	Renewable	47	
Generation/person (MWh/person)	10.79	34	Nonutility		
Emissions (Thousand Short Tons)			Capability (MW)	896	22
Sulfur Dioxide	209	18	Share of Capability (Percent) ...	7	25
Nitrogen Oxide	195	14	Generation (MWh)	3,826,820	25
Carbon Dioxide	49,092	20	Share of Generation (Percent) ...	6.8	27
Sulfur Dioxide/sq. mile (Tons)	3.85	25			
Nitrogen Oxides/sq. mile (Tons)	3.58	21			
Carbon Dioxide/sq. mile (Tons)	903.86	27			

Table 2. Five Largest Plants, 1998

Plant	Energy Source ^b	Operating Company	Net Capability (MW)	Age (Years)
1. Pleasant Prairie	Coal	Wisconsin Electric Power Co	1,202	18
2. South Oak Creek	Coal	Wisconsin Electric Power Co	1,155	39
3. Columbia	Coal	Wisconsin Power & Light Co	1,070	23
4. Point Beach	Nuclear	Wisconsin Electric Power Co	1,016	29
5. Edgewater	Coal	Wisconsin Power & Light Co	832	47

Table 3. Top Five Utilities Ranked by Retail Sales Revenue Within the State, 1998
(Million Dollars)

Utility	All Sectors	Residential	Commercial	Industrial	Other
A. Wisconsin Electric Power Co	1,416	559	478	365	14
B. Wisconsin Power & Light Co	465	195	107	158	5
C. Wisconsin Public Service Corp	417	161	138	114	4
D. Northern States Power Company ...	296	118	57	118	4
E. Madison Gas & Electric Company ...	167	59	82	12	14
Total	2,762	1,092	862	767	41
Percentage of Utility Sales	82	80	91	76	80

Table 4. Electric Power Industry Generating Capability by Plant Type, 1988, 1993, and 1998
(Megawatts Electric)

Plant Type	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Total Utility	10,713	10,938	11,863	1.1	94.3	95.5	93.0
Coal-fired	7,283	7,276	7,198	-0.1	64.1	63.6	56.4
Petroleum-fired	770	799	854	1.1	6.8	7.0	6.7
Gas-fired	54	246	235	17.7	0.5	2.1	1.8
Dual-fired	549	577	1,579	12.4	4.8	5.0	12.4
Nuclear	1,500	1,496	1,494	*	13.2	13.1	11.7
Hydroelectric	456	440	443	-0.3	4.0	3.8	3.5
Renewable	100	104	61	-5.4	0.9	0.9	0.5
Total Nonutility	649	511	896	3.6	5.7	4.5	7.0
Industry	11,363	11,449	12,759	1.3	100.0	100.0	100.00

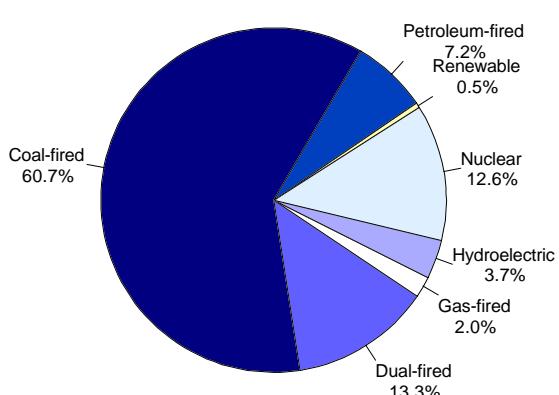
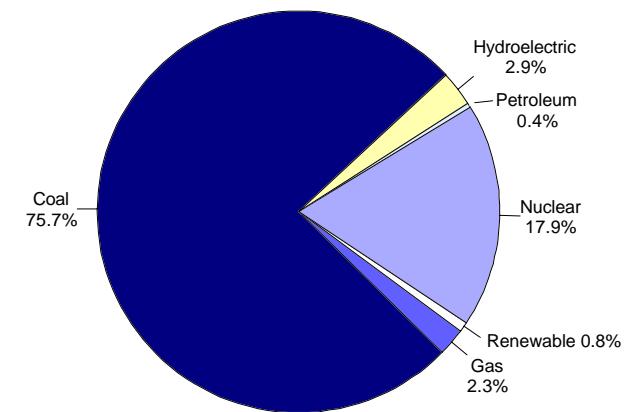
Figure 1. Utility Generating Capability by Plant Type, 1998**Figure 2. Utility Generation by Primary Energy Source, 1998**

Table 5. Electric Power Industry Generation of Electricity by Primary Energy Source, 1988, 1993, and 1998
(Megawatthours)

Fuel	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Total Utility	45,002,806	47,762,861	52,529,065	1.7	95.3	95.1	93.2
Coal	31,867,453	33,558,049	39,785,759	2.5	67.5	66.8	70.6
Petroleum	96,786	105,173	200,225	8.4	0.2	0.2	0.4
Gas	180,128	224,276	1,187,522	23.3	0.4	0.4	2.1
Nuclear	11,464,455	11,464,574	9,397,174	-2.2	24.3	22.8	16.7
Hydroelectric	1,230,168	2,191,053	1,517,765	2.4	2.6	4.4	2.7
Renewable	163,815	219,736	440,620	11.6	0.3	0.4	0.8
Total Nonutility	2,215,107	2,474,440	3,826,820	6.3	4.7	4.9	6.8
Industry	47,217,913	50,237,301	56,355,885	2.0	100.0	100.0	100.0

Table 6. Utility Delivered Fuel Prices for Coal, Petroleum, and Gas, 1988, 1993, and 1998
(Cents per Million Btu, 1998 Dollars)

Fuel	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)
Coal	146.4	121.0	107.4	-3.4
Petroleum	364.5	408.7	348.9	-0.5
Gas	325.2	263.0	264.1	-2.3

Table 7. Electric Power Industry Emissions Estimates, 1988, 1993, and 1998
(Thousand Short Tons)

Emission Type	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)
Sulfur Dioxide	297	182	209	-3.8
Nitrogen Oxides ^c	170	164	195	1.5
Carbon Dioxide ^c	36,526	37,827	49,092	3.3

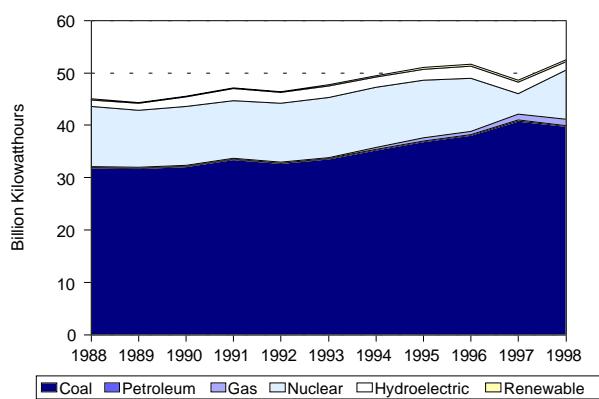
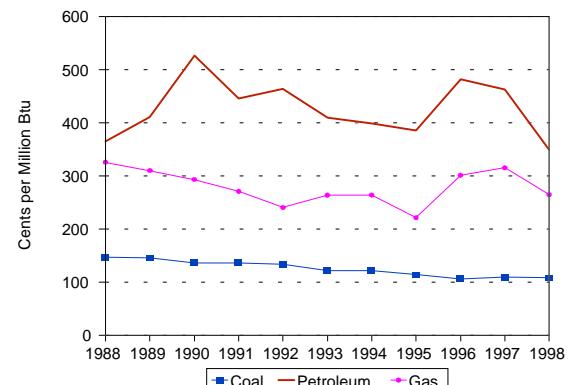
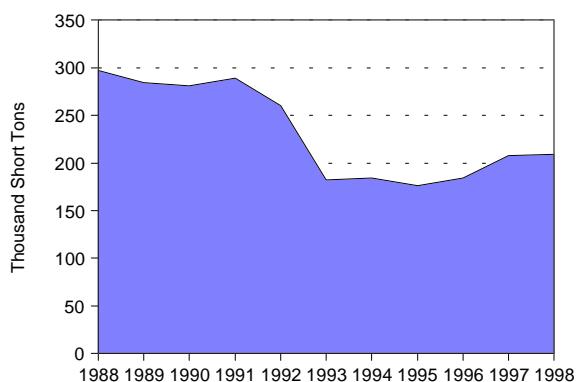
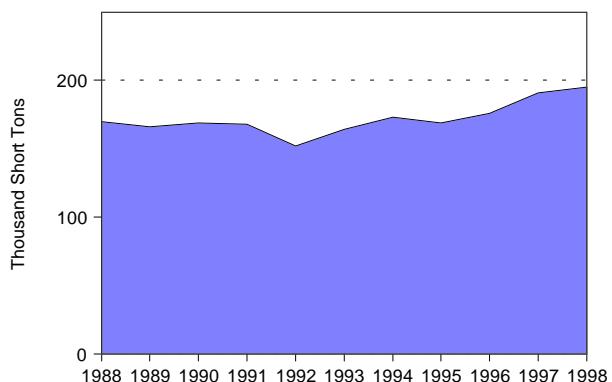
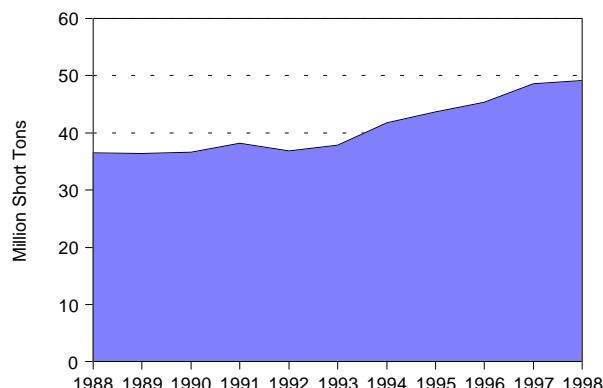
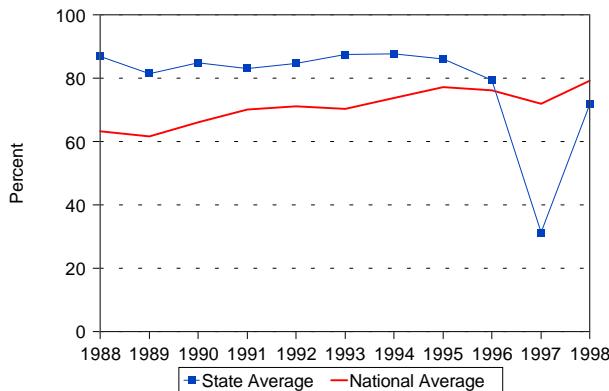
Figure 3. Utility Generation of Electricity by Primary Energy Source, 1988-1998**Figure 4. Utility Delivered Fuel Prices for Coal, Petroleum, and Gas, 1988-1998**
(1998 Dollars)

Figure 5. Estimated Sulfur Dioxide Emissions, 1988-1998**Figure 6. Estimated Nitrogen Oxide Emissions, 1988-1998****Figure 7. Estimated Carbon Dioxide Emissions, 1988-1998****Table 8. Utility Retail Sales by Sector, 1988, 1993, and 1998 (Megawatthours)**

Sector	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Residential . . .	16,383,114	17,373,396	19,087,369	1.7	34.2	32.7	30.8
Commercial ..	12,136,676	13,710,449	16,192,557	3.3	25.4	25.8	26.1
Industrial	18,551,902	21,410,441	26,040,150	3.8	38.8	40.3	42.0
Other	794,029	662,116	741,145	-0.8	1.7	1.3	1.2
Total	47,865,729	53,156,402	62,061,221	2.9	100.0	100.0	100.0

Figure 8. Nuclear Power Capacity Factor Comparison, 1988-1998**Table 9. Utility Retail Sales Statistics, 1988, 1993, and 1998**

Item	Investor-Owned	Public	Federal	Cooperative	Total
1988					
Number of Utilities	13	82	--	28	123
Number of Retail Customers	1,824,960	200,780	--	173,496	2,199,236
Retail Sales (MWh)	40,876,777	4,730,282	--	2,258,670	47,865,729
Percentage of Retail Sales	85.4	9.9	--	4.7	100.0
Revenue from Retail Sales (million 1998 dollars) ^d	2,829	295	--	204	3,328
Percentage of Revenue	85	8.9	--	6.1	100.0
1993					
Number of Utilities	12	82	--	26	120
Number of Retail Customers	1,938,349	215,026	--	188,928	2,342,303
Retail Sales (MWh)	44,872,447	5,817,386	--	2,466,569	53,156,402
Percentage of Retail Sales	84.4	10.9	--	4.6	100.0
Revenue from Retail Sales (million 1998 dollars) ^d	2,720	310	--	202	3,232
Percentage of Revenue	84.2	9.6	--	6.3	100.0
1998					
Number of Utilities	12	82	--	26	120
Number of Retail Customers	2,090,032	235,020	--	211,664	2,536,716
Retail Sales (MWh)	52,241,855	6,992,375	--	2,826,991	62,061,221
Percentage of Retail Sales	84.2	11.3	--	4.6	100.0
Revenue from Retail Sales (million 1998 dollars) ^d	2,844	329	--	203	3,376
Percentage of Revenue	84.2	9.7	--	6.0	100.0